

Db 301 ELRPDGYTAAQAKAFNAFIRADADLCISGCTNPPDLHGQWDCGFKTVGAYPELR 360
QY 361 FEERNHAKCKSCNAGAGKTKATVAQYEAQVARYGQYVNWLNPHMTNRYRED 420
Db 361 FEERNHAKCKSCNAGAGKTKATVAQYEAQVARYGQYVNWLNPHMTNRYRED 420
QY 421 FIRIRDEYDKNAKALKOREAA 441
Db 421 FIRIRDEYDKNAKALKOREAA 441

RESULT 2
US-10-450-763-31948
; Sequence 31948, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hysreq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31948
; LENGTH: 634
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (592)..(633)
; OTHER INFORMATION: Initiator RepB protein domain identified by Pfam, accession
; OTHER INFORMATION: name RepB protein, E-value=0.042, Pfam score of 9.9
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(634)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-31948

Query Match 49.6%; Score 1174; DB 5; Length 634;
Best Local Similarity 65.0%; Pred. No. 1e-101;
Matches 245; Conservative 17; Mismatches 55; Indels 60; Gaps 10;
QY 57 KVSFDPACDLISVGLDVRGAENVECLELITMPWFRVGRNHEQMMIDGLSYGNVNH 116
Db 58 KVSFDPACDLISVGLDVRGAENVECLELITMPWFRVGRNHEQMMIDGLSYGNVNH 117
QY 117 LENGGVWFFSLDYKEVLAKALVHKASLPFVIELVTAERKIVICHADYPHNEYAFDKPV 176
Db 118 LENGGVWFFSLDYKEVLAKALVHKASLPFVIELVTAERKIVICHADYPHNEYAFDKPV 177
QY 177 PKDMVWNRERSDAQDGIVSPITAGADLFIHGHTPARQPLKYANQMYIDTGAVFCGNLTL 236
Db 178 PKDMVWNRERSDAQDGIVSPITAGADLFIHGHTPARQPLKYANQMYIDTGAVFCGNLTL 237
QY 237 CKVCGYFVPKPHDRIIRWCSPHGAILAMEERKKNVAAAKRIKQK-----E 286
Db 238 CKVCGYFVPKPHDRIIRWCSPHGAILAMERKKEK-----KNPRESAWGTSPQLGLE 292
QY 287 AEKDGRRKRKRLAEIRPDGYTAAQAKAFNAFIRADADLPCISGCTNPPDLHGQWMD 346
Db 293 HIBDGGGERENSLTSSRPGW--DHPQLLGTFLRSE-----QGG--- 330
QY 347 CGHFK-TVGAYP-----ELRPFERNAH-KQCKSCNAGAGKYTAKATVAQYEAQVAGLVAR 398
Db 331 -NHSREPLGKLSLWRLTFKWRACKRIGHGKEHSRKRNGR-----KDPKVATRISPG----- 381

QY 399 YGQGYVNWLNPHMTN 415
Db 382 -----KWLKALVDMQN 392
RESULT 3
US-10-381-333-2
; Sequence 2, Application US/10381333
; Publication No. US20030215851A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE CORPORATION; TANG, Y. Tom
; APPLICANT: YAO, Monique G.; CHAWLA, Narinder K.
; APPLICANT: ELLIOTT, Vicki S.; RAMKUMAR, Jayalaxmi
; APPLICANT: LU, Yan; ARVIZU, Chandra S.
; APPLICANT: DING, Li; BAUGHN, Mariah R.
; APPLICANT: YUE, Henry; LU, Dying Aina M.
; APPLICANT: TRIBOULEY, Catherine M.; THORNTON, Michael B.
; APPLICANT: GANDHI, Ameena R.; LEE, Ernestine A.
; APPLICANT: XU, Yuming; WANG, Yu-Mei E.
; APPLICANT: HAPALIA, April J.A.; THANGAVELU, Kavitha
; APPLICANT: DANIELS, Susan E.; LAL, Preeti G.
; APPLICANT: SWARNAKAR, Anita
; TITLE OF INVENTION: PROTEIN PHOSPHATASES
; FILE REFERENCE: XI-0228 USN
; CURRENT APPLICATION NUMBER: US/10/381,333
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: PCT/US01/29451
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US 60/234,526
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/236,967
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: US 60/238,332
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 60/242,236
; PRIOR FILING DATE: 2000-10-19
; PRIOR APPLICATION NUMBER: US 60/243,928
; PRIOR FILING DATE: 2000-10-27
; PRIOR APPLICATION NUMBER: US 60/249,814
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030215851A1 7481507CD1
US-10-381-333-2

Query Match 41.2%; Score 976.5; DB 4; Length 233;
Best Local Similarity 88.6%; Pred. No. 1.2e-83;
Matches 186; Conservative 1; Mismatches 4; Indels 19; Gaps 1;
QY 51 GLDW-----LTKVSFDPACDLISVGLDVRGAENVECLELITMPW 91
Db 20 GADWRNIFVGDHLCGYTLLMNELEKVSFDPACDLISVGLDVRGAENVECLELITMPW 79
QY 92 FRAVRGNHEQMMIDGLSYGNVNHLENGGVWFFSLDYKEVLAKALVHKASLPFVIEL 151
Db 80 FRAVRGNHEQMMIDGLSYGNVNHLENGGVWFFSLDYKEVLAKALVHKASLPFVIEL 139
QY 152 VTAERKIVICHADYPHNEYAFDKPVKDMVWNRERSDAQDGIVSPITAGADLFIHGHTP 211
Db 140 VTAERKIVICHADYPHNEYAFDKPVKDMVWNRERSDAQDGIVSPITAGADLFIHGHTP 199
QY 212 ARQPLKYANQMYIDTGAVFCGNLTLCKVCG 241
Db 200 ARQPLKYANQMYIDTGAVFCGNLTLVQVQG 229

RESULT 4



US 20050196754A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0196754 A1**
Drmanac et al. (43) **Pub. Date: Sep. 8, 2005**(54) **NOVEL NUCLEIC ACIDS AND
POLYPEPTIDES**(76) **Inventors: Radoje T Drmanac, Los Altos Hills,
CA (US); Chenghua Liu, San Jose, CA
(US); Y Tom Tang, San Jose, CA (US)****Correspondence Address:**
NUVELO, INC
675 ALMANOR AVE.
SUNNYVALE, CA 94085 (US)(21) **Appl. No.: 10/450,763**(22) **PCT Filed: Mar. 30, 2001**(86) **PCT No.: PCT/US01/08631**(30) **Foreign Application Priority Data****Mar. 31, 2000 (US)..... 09/540,217**
Aug. 23, 2000 (US)..... 09/649,167**Publication Classification**(51) **Int. Cl.⁷ C12Q 1/68; C12P 21/06;**
C07H 21/04; C12N 9/00
(52) **U.S. Cl. 435/6; 435/69.1; 435/183;**
435/320.1; 435/325; 530/350;
536/23.2(57) **ABSTRACT****The present invention provides novel nucleic acids, novel
polypeptide sequences encoded by these nucleic acids and
uses thereof.**